



PHOTOVOLTAIC SYSTEM PLAN REVIEW REQUIREMENTS

ELECTRICAL:

1. Provide site plan showing location of major components of PV and electrical systems on property.
2. Include a one line electrical diagram indicating PV array configuration, wiring systems overcurrent protection, inverters disconnects and AC connection to the building.
3. Provide manufacturer's specifications for all components. Including, but not limited to inverters, modules, combiner boxes and disconnects.
4. Indicate grounding and bonding of system. Include conductor sizes and types, connections and wiring methods to be used.
5. Include all voltage and amperage calculations for each part of the system.
6. If a battery pack is to be installed, location method of venting must also be indicated.
7. Mandated utility agreement with power company ("Net Metering" VAC 205-315) must be provided when system is utility interactive.

ROOF MOUNTED SYSTEM:

1. Indicate location of array on structure.
2. Specify type of roof construction and covering.
3. Include weight of modules and method of attachment.
4. Specify method of sealing penetrations.
5. Indicate conductor protection and wiring methods.

GROUND MOUNTED SYSTEMS:

1. Indicate location of array on property.
2. Include manufacturer's specifications for mounting frame, or provide an approved design for PV array support.
3. Provide design of barrier for protection from physical damage and guarding of live parts.